

## **BIO DATA**

Name : Mannava Srinivasa Rao  
Qualification : M.E  
Total experience : 27 years in Teaching (24-02- 1992 to till date)

### **Details of Experience:**

<b>Year</b>	<b>Name of the institution</b>	<b>Designation</b>
May 2012 to till date	PVP Siddhartha Institute of Technology, Vijayawada	Associate Professor
June 2006 to April 2012	Sir C R R College of Engineering, Eluru	Professor
May 1999 to May 2006	Sir C R R College of Engineering, Eluru	Associate Professor
Feb 1992 to May 1999	V.R. Siddhartha Engg. College, Vijayawada	Lecturer

### **Educational Qualifications:**

<b>Degree</b>	<b>Specialization</b>	<b>College</b>	<b>Passing Year</b>	<b>Class Obtained</b>
M.E	Communication Systems	PSG College of Technology, Coimbatore	Feb 1992	First Class
B.Tech	E.C.E.	V.R. Siddhartha Engg. College, Vijayawada	June 1989	First Class

## **Journal Publications :**

1. M. Srinivasa Rao, K Anitha, “Improving the uplink achievable rate and power allocation in LTE advanced networks”, International Journal of Engineering & Science Research, VOL.8 No.10, Oct2018, pp. 36-42.
2. M. Srinivasa Rao, K Anitha. , “Improved performance of Turbo codes using Iterative decoding using with additional Convolutional Interleaver”, Journal of emerging Technologies and Innovative Research, VOL.5No.10, Oct2018, pp. 373-380.
3. K Anitha, M. Srinivasa Rao. , “Discrete Extended Kalman Filter based ultrasonic time-of-flight estimation”, Journal of Engineering Research and application, VOL.8 No.11, Nov2018, pp. 31-37.
4. K Anitha, M. Srinivasa Rao “FPGA based controller design for mobile Robots”, International Research Journal of Engineering & Technology, VOL.5 No.10, Oct2018, pp. 1494-1499.
5. M. Srinivasa Rao, K Vamsi. , “An efficient approach for improving the uplink achievable rate and power allocation in Cooperative LTE- advanced networks”, International Journal of advance Science Research and modern Technologies, VOL.1 No.3, Oct2014.
6. M. Srinivasa Rao, Abdul Gafar KhanC. R. , “An enhanced interference alignment using nuclear norm heuristic technique for MIMO broadcast channels”, International Journal of Engineering & Science Research, VOL.4 No.10, Oct2014, pp. 695-702.
7. M. Srinivasa Rao, G Navya , “Robust data Transmission using Turbo Coded OFDM for LTE mobile system”, International Journal of Scientific Engineering & Technology Research, VOL.5 No.43, Nov2016, pp. 8953-8956.
8. M. Srinivasa Rao, G Vijaya Kumar, P Rajesh Kumar, “Optimized BER performance of Asymmetric Turbo codes over AWGN Channel”, International Journal of Computer Applications, VOL.81 No.12, July 2013, pp. 8-12.

9. K. Anitha, M. Srinivasa Rao, C. R. S. Murthy, "Embedded Bluetooth Data Acquisition System based on ARM for Unmanned Underwater Vehicle (UUV)", International Journal of Computer Science and Network Security, VOL.11 No.7, July 2011, pp. 136-140.
10. Prof M.SrinivasaRao, Dr P.Rajesh kumar, K.Anitha, Addanki Srinu, "Modified maximum A posteriori algorithm for iterative decoding of Turbo codes", International Journal of Engineering Science and Technology(ISSN 0975-5462), Vol 3, No. 8, PP6609-6615 Aug 2011.
11. Prof M.SrinivasaRao, Dr P.Rajesh Kumar, V.Ajesh Kumar, K.Nagarjuna, "Enhanced image transmission using iteration denoising algorithm combined with Turbo codes", International Journal of Engineering Science and Technology(ISSN 0975-5462), Vol 3, No. 8, PP 6718-6725 Aug 2011.
12. C. R. S. Murthy, G. Srilatha, K. Anitha, Ch. Ravi Kumar, M. Srinivasa Rao, " Counter Jamming Method based on Chaos for Secure Communication in Multiuser Environment", International Journal of Electronics & Communication Technology, Vol 2, Issue 3, Sept 2011, pp 199-203
13. Kota Srinivas , Prof M Srinivasa Rao, Ch Madhava Rao, J Yona " low power design of coprocessor for cryptographic applications in dual fields" International journal of Electronics and Communication technology (ISSN 2230-7109),vol2,issue3,sep 2011.
14. Ch Spandana, D Ajay Kumar, Prof M Srinivasa Rao " Analysis of optical soliton propagation in birefringent fibers" International journal of management ,IT& Engineering (ISSN 2249-0558) vol1,issue6, Nov 2011.
15. Prof M.SrinivasaRao, K.Soujanya, V.Ajesh Kumar, T.Mahendra Raju "Fast Fractal Compressed Image Transmission using Turbo Codes", International Journal of Electronics and communication Technology(ISSN 2230-7109), Vol 2, SP . 1,Dec 2011

16. K Srinivas, Prof M.SrinivasaRao, Ch Madhara Rao “Implementation of Ethernet interface based on Embedded systems”, International Journal of Electronics and communication Technology(ISSN 2230-7109), Vol 2, SP . 1,Dec 2011
17. Prof M.SrinivasaRao, Addanki Srinu, “Analysis of iterative decoding of turbo codes using MAP algorithm”, Journal of Innovation in Electronics and communication (ISSN 2249-9946), Vol 2(I), Jan-June 2012.
18. Prof M Srinivasa Rao, Boppana Swathi Lakshmi Dr Rajesh Kumar “Wireless **Image transmission over Noisy Channels Using Turbo Codes and De-noising Filters** ” International journal of Engineering Research and applications (IJERA) (ISSN 2248-9622) vol2,issue5, Sep- Oct 2012 pp 1936-1941.

### **Conference Publications:**

1. Dr C Subba Rao, M.SrinivasaRao, L Madhavi Devi “Design and Analysis of wideband Decagon Microstrip antenna”, International conference on Intelligent data communication Technologies and IOT, JCT COE and Technology , Coimbatore, Sep 12-13<sup>th</sup> 2019.
2. K Anitha, V Susmitha, M.Srinivasa Rao “Eigenface Recognition using PCA ”, Conference on Computer aided developments in Electronics and Communication , at VIT, Amaravati, 2-3 march 2019.
3. M Srinivasa Rao “A Robust ultrasonic distance measurement system with discrete extended Kalman filter ” IEEE International conference on signals, communication and Optimization, VIIT, Visakhapatnam, 24-25 Jan 2015.
4. Prof M Srinivasa Rao, Dr Rajesh Kumar R Susmitha “ Performance analysis and iterative decoding of finite length low density parity check codes” National conference on signal processing & communication systems, RVR&JC, Guntur 25-26 Feb 2010

5. M.SrinivasaRao “Analysis of iterative decoding for turbo codes using MAP algorithm”, National conference On Recent trends and advances in nano technology, Hyderabad July 2011.
6. M.SrinivasaRao, Addanki Srinu, “Analysis of iterative decoding for turbo codes using maximum a posteriori algorithm”, International conference on Industrial applications of Soft computing techniques, Bhubaneswar pp 373-377, Aug 2011.
7. M.SrinivasaRao, P.SinivasaRao, “FPGA implementation of Convolutional interleaver and deinterleaver”, International conference on Industrial applications of Soft computing techniques, Bhubaneswar pp 337-339, Aug 2011
8. M.SrinivasaRao, “Fast fractal compressed image transmission using Turbo codes ”, International conference on advances in computer science, communication and Bio instrumentation engineering, Eluru, Dec 2011
9. Prof M Srinivasa Rao, “ Enhanced image transmission using Turbo codes and 16 QAM with iterative denoising algorithm” Joint international conference on SEMCO and FANCO 2011, ANITS, Visakhapatnam, 19-21 Dec 2011
10. K Anitha, Prof M Srinivasa Rao, O Ranga Rao “Quality of transmission aware routing in all optical WDM networks” Joint international conference on SEMCO and FANCO 2011, ANITS, Visakhapatnam, 19-21 Dec 2011
11. K Srinivas, Prof M.SrinivasaRao, Ch Madhara Rao “Implementation of Ethernet interface based on Embedded systems”, International conference on advances in computer science, communication and Bio instrumentation engineering, Sir CRRCOE, Eluru, Dec 2011
12. M.Srinivasa Rao, Dr.P.Rajesh Kumar, V.Ajesh Kumar, K.Nagarjuna “ Development of a Robust Scheme for Image Transmission using Turbo Codes and Unequal Error Protection” IEEE conference, AU college of Engineering, Visakhapatnam. Mar 2012.

13. Prof M Srinivasa Rao, Ambica “ Fingure print Recognition system ” National conference on signal processing & communication systems, RVR&JC, Guntur 20-21 Feb 2008

### **Recent Workshops, Seminars, FDPs attended**

1. Attended one week Training Program on “Data Acquisition and signal conditioning concepts“at PVPSIT, Vijayawada from 02-05-2019 to 08-05-2019
2. Attended one day FDP on “Intellectual Property Rights(IPRs)& Innovation “at PVPSIT , Vijayawada on 29<sup>th</sup> April2019.
3. Attended Short Training program on “NBA Accreditation “at PVPSIT Vijayawada from 22-04-2019 to 26-04-2019.
4. Attended Five day workshop on “Cryptography & Coding Theory“at NIT Warangal from 28-01-2019 to 01-02-2019.
5. Attended workshop on “Digital Health Interventions “at Dr Pinnamaneni Siddhartha Siddhartha Institute of Medical Sciences & Research Foundation, Vijayawada on 22-12-2018.
6. Attended one day seminar on “NI Engineering Education & Research “at Fortune Murali park, Vijayawada on 29-0602018

**Personal details :**

Fathers Name : late M. Venkateswara Rao  
Date of Birth : 15-07-1967  
Address for communication : M. SrinivasaRao  
Flat no 208,A1 Block, Venkatram Grand  
Ramapuram Colony Road, Poranki  
Vijayawada 521137 ph:9985035499  
E-mail address : mannavasrinivasarao9@gmail.com

(M. SrinivasaRao)